

Table I.2: Confirmation Rates* and Detection Rates† for Cancer Mortality‡ by Anatomic Site and International Classification of Disease (ICD) Version—United States

Cancer site	Confirmation Rate* (%)		Detection Rate* (%)	
	ICD-9	ICD-8A	ICD-9	ICD-8A
All malignant sites	84.8	82.7	83.3	82.7
Oral cavity and pharynx	NA§	NA	NA	NA
Esophagus	77.0	86.1	93.7	93.2
Stomach	93.9	90.9	88.1	89.2
Colon and rectum	95.6	95.0	92.7	92.9
Liver and intrahepatic bile duct§	NA	76.7	NA	49.6
Liver§	70.2	NA	78.3	NA
Pancreas	90.3	89.0	91.5	90.2
Larynx	69.3	73.2	72.2	80.3
Lung and bronchus§	94.3	NA	95.4	NA
Trachea, lung, and bronchus§	NA	93.9	NA	95.0
Melanomas of the skin	88.6	90.5	89.7	87.6
Breast¶	98.7	98.1	95.7	95.0
Cervix uteri	93.2	90.4	81.1	79.0
Corpus and uterus, NOS§	NA	71.5	NA	81.5
Corpus§	93.3	NA	43.9	NA
Ovary§	91.9	NA	90.7	NA
Ovary, fallopian tube, etc.§	NA	88.2	NA	88.3
Prostate	98.1	96.3	93.5	94.7
Testis	75.9	90.4	90.6	83.1
Urinary bladder	95.7	93.6	88.9	91.1
Kidney and renal pelvis§	93.5	NA	89.6	NA
Kidney§	NA	93.0	NA	87.9
Brain and other nervous system	93.1	89.2	97.1	97.2
Thyroid	96.6	91.5	88.6	87.2
Hodgkin lymphoma	95.6	92.5	83.5	86.7
Non-Hodgkin lymphoma	92.8	88.4	87.5	83.2
Multiple myeloma	97.2	98.1	97.3	96.6
Leukemias	NA	NA	NA	NA

* Confirmation rate = Percentage of cancer listed as underlying cause of death (UCD) on the death certificate that agrees with the original cancer diagnosis as coded in the medical record.

† Detection rate = Percentage of original cancer diagnoses as coded in the medical record that agrees with cancer as UCD on the death certificate.

‡ Adapted from the following sources:

Percy C, Stanek E III, Gloeckler L. Accuracy of cancer death certificates and its effect on cancer mortality statistics. *American Journal of Public Health* 1981;71(3):242–250.

Percy CL, Miller BA, Gloeckler Ries LA. Effect of changes in cancer classification and the accuracy of cancer death certificates on trends in cancer mortality. *Annals of the New York Academy of Sciences* 1990;609:87–97.

§ Because of inconsistencies in site categories, caution should be used when comparing ICD-9 and ICD-8A confirmation and detection rates.

¶ Includes both male and female breast cancer.

NA = not available.

NOS = not otherwise specified.